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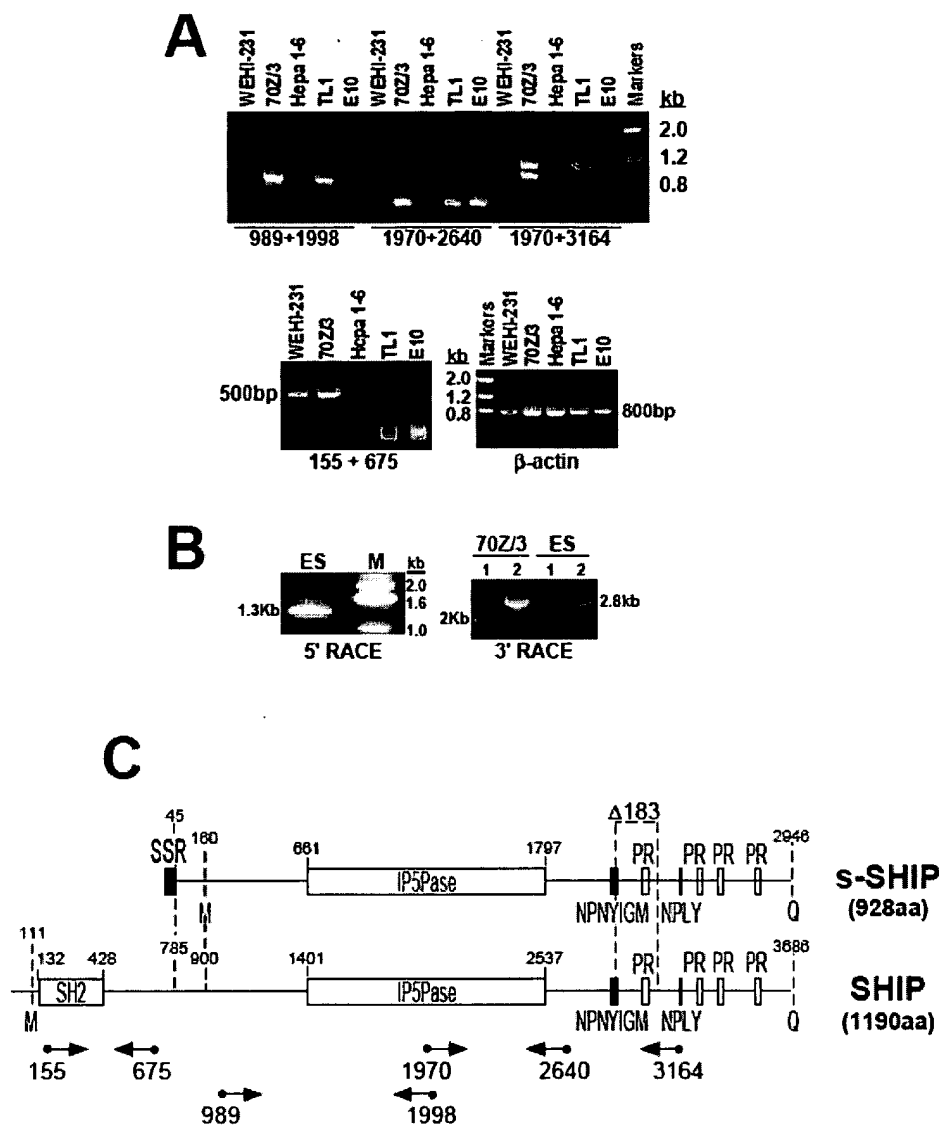


FIG. 1





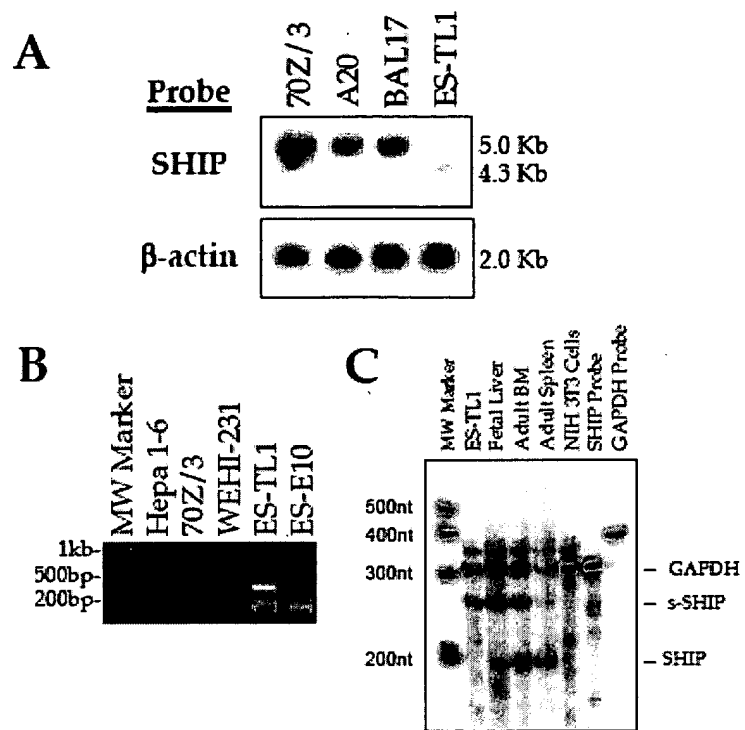


FIG. 4

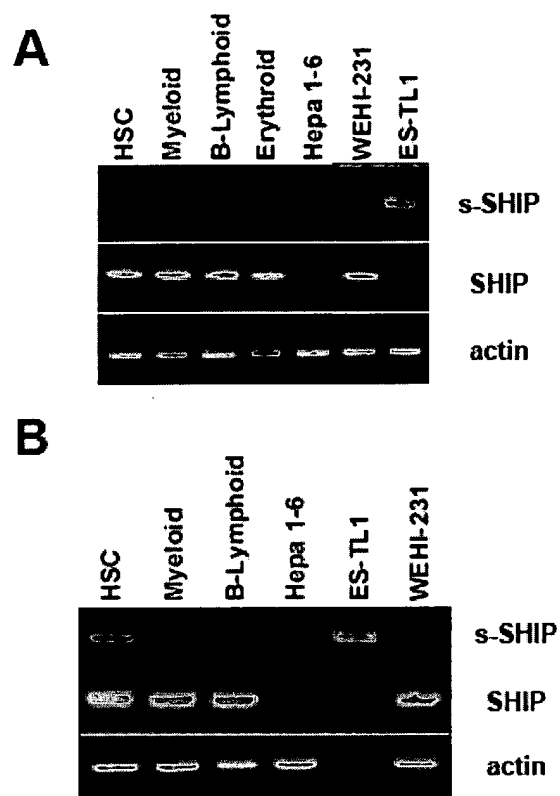


FIG. 5

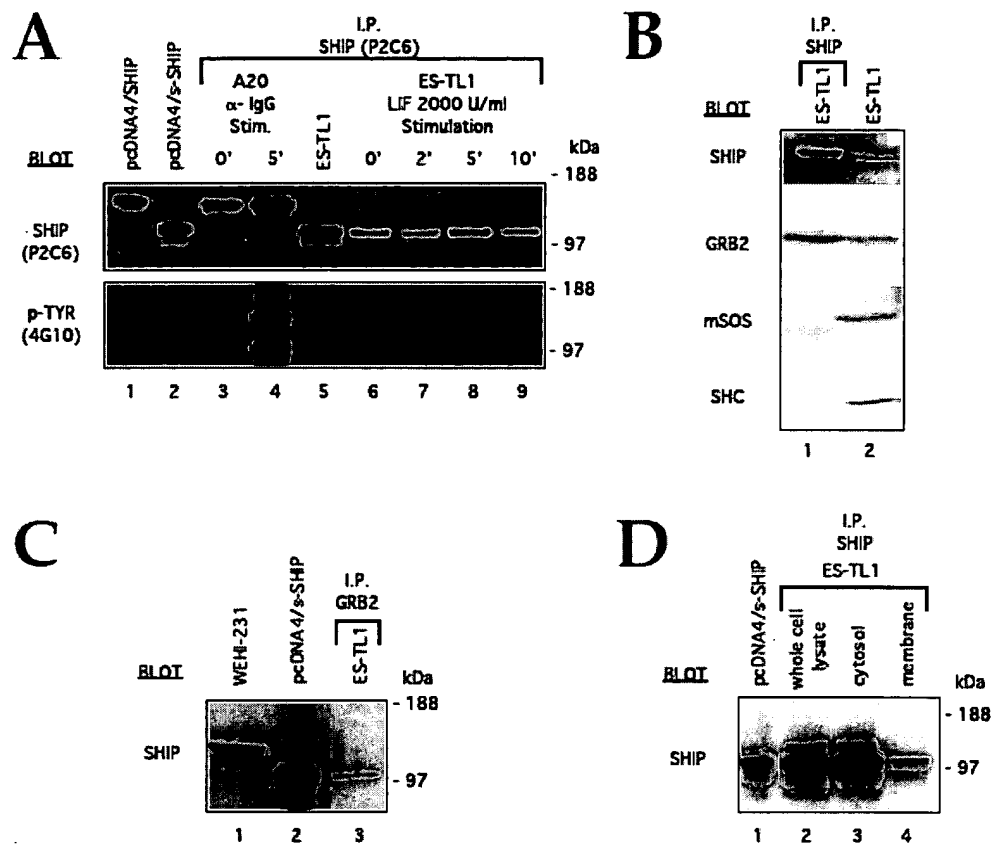


FIG. 6

**A**

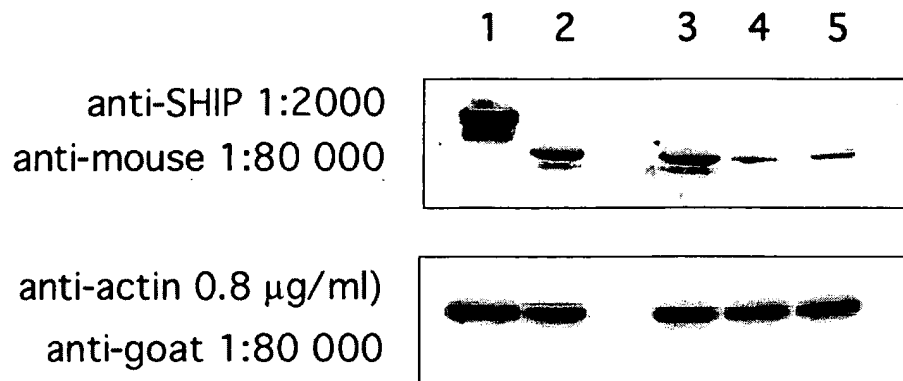
1 SIP-110 SSR-like region  
 catggaagactctttccggTGCCCACTAATCCTTGATGTTC  
 42 787  
 ACCTTGTCCCCTGCCCCAGAGAAGTCATCCGGA  
 CCCTCCCATCCCTGGAGTCTCTGCAGAGGTTATT  
 TGACCAGCAGCTCTCCCCGGGCCTCCGTCCACG  
 874  
 TCCTCAGgtaaagggtcttgggggtgaaaaggtagattaataccc

**B**

SIP110.exon1	1	- C G	C C C A C T A	A T	C C	T T G A	T G	T T	C A C	24
s-SHIP.exon1	1	G T T	C C C A C T A	G T	T G	T T G A	A C	T T	A C	25
SIP110.exon1	25	C T T G	T - C C C	C T G C	C C C C A G	A G A A G T	48			
s-SHIP.exon1	26	C T T G	A A C C T	C T G C	T C C C A G	G G A A G T	50			
SIP110.exon1	49	C A T C	C G G A C	C C T	C C C A T C C C T G G A G	73				
s-SHIP.exon1	51	C A T C	A G G A C	T C T	G C C A T C C C T G G A G	75				
SIP110.exon1	74	T C T C T G C A G A G G T T	A T T T G A C C A	G C	98					
s-SHIP.exon1	76	T C T C T G C A G A G G T T	G T T T G A C C A	A C	100					
SIP110.exon1	99	A G C T C T C C C C	G G G C C T	C C G T	C C A C G	123				
s-SHIP.exon1	101	A G C T C T C C C C	A G G C C T	T C G C	C C A C G	125				
SIP110.exon1	124	T C C T C A G	130							
s-SHIP.exon1	126	A C C T C A G	132							

FIG. 7





1) Control SHIP

2) Control sSHIP  
(non treated ES cells)

3) ES cell treated with negative control

4) ES cell treated with  
shRNA against SHIP

5) ES cell treated with shRNA  
against SHIP (EGFP marker)

FIG. 8